



23490 Connecticut Street  
Hayward, California 94545  
510.773-9137-510.782-5584 Fax

July 13, 2004

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT  
935 Hartle Court  
Napa, CA 94559

**Re: May 2004 Compliance Monitoring Results for the Jefferson Car Wash Site Groundwater Extraction and Treatment System, 3080 Jefferson Street, Napa, California, Industrial User Permit No. 495950.**

Dear Mr. Gaffney:

This letter presents the results of May 2004 Compliance Monitoring for the Groundwater Extraction and Treatment System (System) at the Jefferson Car Wash site, 3080 Jefferson Street, Napa, California. Compliance monitoring and reporting have been conducted in accordance with the guidelines stipulated in the Industrial User Permit No. 495950. Presented herein are the results of the second compliance monitoring event after System start-up, which occurred on March 29, 2004.

The compliance monitoring activities for this reporting period were performed by Decon Environmental Services, the operations and maintenance (O&M) contractor for the System, under the direction of Malcolm Pirnie on June 1 and 3, 2004. The monitoring activities included:

1. Sampling the System effluent.
2. Recording the total volume of raw water discharged from individual extraction wells (EW-2 and EW-3).
3. Recording the total volume of treated water discharged to sanitary sewer.

Effluent samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D) by United States Environmental Protection Agency (USEPA) Method 8015M, TPH as gasoline (TPH-G), benzene, toluene, ethylene, total xylenes (BTEX), and methyl-tertiary-butyl ether (MTBE) by USEPA Method 8260B, and total lead by USEPA Method 200.7.

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT

July 13, 2004  
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The first reporting period, April 2004, included analyses for the comprehensive list of volatile organic compounds (VOCs) by USEPA Method 8260B. The VOC results presented in the respective report, dated June 9, 2004, were non-detect. As such, VOCs other than site-specific constituents (BTEX and MTBE) will not be reported in the future.

Table 1 presents the analytical results for the System effluent and the System flow parameters. The analytical laboratory report is attached.

The analytical laboratory reported the concentrations of the organic constituents of concern to be non-detect in the System effluent. Total lead was detected at 0.018 milligrams per liter (mg/L), which was below the 0.14 mg/L discharge limit. The average daily discharge rate for this reporting period was estimated to be 4.7 gallons per minute (gpm), which was below the 8 gpm limit. A total of 215,306 gallons of treated water were discharged to the sanitary sewer during this reporting period.

Please contact Jason at (510) 732-6444 Ext. 17 or Todd Miller with Malcolm Pirnie at (510) 735-3014 to discuss any comments or questions.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that a qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Sincerely,

**DECON ENVIRONMENTAL SERVICES**



Jason Gulbransen  
Project Manager

Attachments: Table 1, Analytical Laboratory Report

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT

July 13, 2004  
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c: George Altamura, Altamura Enterprises  
Joel Coffman, Napa County  
Todd Miller, Malcolm Pirnie  
File [REDACTED]

P:\4459\008\GWTS Compliance Monitoring\May 2004 Compliance Monitoring Letter Report.doc

**Table 1: Compliance Monitoring Results, May 2004**  
**Interim Groundwater Extraction and Treatment System**  
**Jefferson Car Wash Site**  
*Industrial User Permit No: 495950*

Parameter	Units	USEPA Method	Date Collected	System Effluent	Permitted Reporting Limit <sup>1</sup>
<b>Volatile Organic Compounds</b>					
Methyl Tertiary-Butyl Ether	µg/L <sup>6</sup>	8260B	6/3/2004	< 1	1.0% LEL <sup>4</sup>
Benzene	µg/L	8260B	6/3/2004	< 0.5	1.0% LEL
Toluene	µg/L	8260B	6/3/2004	< 0.5	1.0% LEL
Ethylbenzene	µg/L	8260B	6/3/2004	< 0.5	1.0% LEL
Xylenes, Total	µg/L	8260B	6/3/2004	< 1	1.0% LEL
TPH as Gasoline	µg/L	8260B	6/3/2004	< 25	-- <sup>5</sup>
TPH as Diesel	µg/L	8015M	6/3/2004	< 62	--
Total Lead	mg/L <sup>7</sup>	200.7	6/3/2004	0.018	0.14
<b>Operational</b>					
Total Volume Discharged to Sanitary Sewer <sup>2</sup>	gallons	--	6/1/2004	215,306	--
Daily Average System Flow Rate <sup>3</sup>	gpm <sup>8</sup>	--	6/1/2004	4.7	8

**Notes:**

<sup>1</sup> As stated in Industrial User Permit, No: 495950, issued for the System on 03/02/2004.

<sup>2</sup> The sum of volumes extracted from individual wells, EW-2 and EW-3, for this period as recorded by the flow totalizer at the respective well-head.

i.e., { Sum of Flow Totalizer Volume at EW-2 and EW-3 for this period } -  
{ Sum of Flow Totalizer Volume at EW-2 and EW-3 for the previous period }

<sup>3</sup> Calculated as the Total Volume Discharged to Sanitary Sewer divided by the number of days the system was in operation during the reporting period (32 days for this period).

<sup>4</sup> Lower explosive limit.

<sup>5</sup> No reporting limit stated or not applicable.

<sup>6</sup> Micrograms per liter.

<sup>7</sup> Milligrams per liter.

<sup>8</sup> Gallons per minute.

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Jason Gulbransen  
Decon Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545

6/15/2004

**Order:** 39207  
**Project Name:** Jefferson Carwash  
**Project Number:** 4470

**Date Collected:** 6/3/2004  
**Date Received:** 6/4/2004  
**P.O. Number:** 4470

## Certificate of Analysis - Final Report

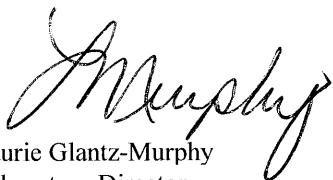
On June 04, 2004, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum	EPA 8260B	BTEX + MTBE
	Lead	EPA 200.7	
	PDF	PDF	
	TPH as Gasoline - GC/MS	GC-MS	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Laurie Glantz-Murphy  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200 Fax: (408) 588-0201

Decon Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545  
Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-001 Sample ID: EW-2 Matrix: Liquid Sample Date: 6/3/2004 6:15 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		2	0.5	1	µg/L	6/11/2004	WMS110729	EPA 8260B
Toluene	ND		2	0.5	1	µg/L	6/11/2004	WMS110729	EPA 8260B
Ethyl Benzene	ND		2	0.5	1	µg/L	6/11/2004	WMS110729	EPA 8260B
Xylenes, Total	ND		2	1	2	µg/L	6/11/2004	WMS110729	EPA 8260B
Methyl-t-butyl Ether	140		2	1	2	µg/L	6/11/2004	WMS110729	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100.0	64 - 125
Dibromofluoromethane	95.4	23 - 172
Toluene-d8	114.0	70 - 134

Analyzed by: Xbian - 6/11/2004  
Reviewed by: TFULTON - 06/14/04  
Days to analysis: 8

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	90	x	2	25	50	µg/L	6/11/2004	WMS110729	GC-MS

Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline quantitation range.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.7	64 - 125
Dibromofluoromethane	99.6	23 - 172
Toluene-d8	105.0	70 - 134

Analyzed by: Xbian - 6/11/2004  
Reviewed by: TFULTON - 06/14/04  
Days to analysis: 8

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Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-002 Sample ID: EW-3 Matrix: Liquid Sample Date: 6/3/2004 6:20 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B
Methyl-t-butyl Ether	25		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101.0	64 - 125
Dibromofluoromethane	99.0	23 - 172
Toluene-d8	110.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	32	x	1	25	25	µg/L	6/10/2004	WMS110727	GC-MS

Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline quantitation range.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.0	64 - 125
Dibromofluoromethane	103.0	23 - 172
Toluene-d8	102.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

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Decon Environmental Services, Inc.  
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Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-003 Sample ID: Combined Inlet Matrix: Liquid Sample Date: 6/3/2004 6:00 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B
Methyl-t-butyl Ether	54		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by:
4-Bromofluorobenzene	105.0	64 - 125	Xbian - 6/10/2004
Dibromofluoromethane	84.6	23 - 172	Reviewed by: TFULTON - 06/11/04
Toluene-d8	113.0	70 - 134	Days to analysis: 7

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	41	x	1	25	25	µg/L	6/10/2004	WMS110727	GC-MS
Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline quantitation range.									

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by:
4-Bromofluorobenzene	101.0	64 - 125	Xbian - 6/10/2004
Dibromofluoromethane	88.4	23 - 172	Reviewed by: TFULTON - 06/11/04
Toluene-d8	104.0	70 - 134	Days to analysis: 7



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Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-004 Sample ID: Log V Inlet Matrix: Liquid Sample Date: 6/3/2004 6:03 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104.0	64 - 125
Dibromofluoromethane	88.8	23 - 172
Toluene-d8	111.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	25	25	µg/L	6/10/2004	WMS110727	GC-MS

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100.0	64 - 125
Dibromofluoromethane	92.7	23 - 172
Toluene-d8	103.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

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Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-005 Sample ID: Discharge Point Matrix: Liquid Sample Date: 6/3/2004 6:08 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	6/10/2004	WMS110727	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	6/10/2004	WMS110727	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.9	64 - 125
Dibromofluoromethane	88.6	23 - 172
Toluene-d8	111.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	25	25	µg/L	6/10/2004	WMS110727	GC-MS

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.3	64 - 125
Dibromofluoromethane	92.5	23 - 172
Toluene-d8	103.0	70 - 134

Analyzed by: Xbian - 6/10/2004  
Reviewed by: TFULTON - 06/11/04  
Days to analysis: 7

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Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-001 Sample ID: EW-2 Matrix: Liquid Sample Date: 6/3/2004 6:15 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	6/6/2004	DW4758C	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery (%)	Control Limits (%)	Analyzed by: JZaininger - 6/6/2004
o-Terphenyl	87.0	16 - 137	Reviewed by: GGUEORGUEVA - 06/08/04

Laboratory ID: 39207-002 Sample ID: EW-3 Matrix: Liquid Sample Date: 6/3/2004 6:20 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	6/6/2004	DW4758C	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery (%)	Control Limits (%)	Analyzed by: JZaininger - 6/6/2004
o-Terphenyl	86.0	16 - 137	Reviewed by: GGUEORGUEVA - 06/08/04

Laboratory ID: 39207-003 Sample ID: Combined Inlet Matrix: Liquid Sample Date: 6/3/2004 6:00 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	6/6/2004	DW4758C	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery (%)	Control Limits (%)	Analyzed by: JZaininger - 6/6/2004
o-Terphenyl	87.0	16 - 137	Reviewed by: GGUEORGUEVA - 06/08/04

Laboratory ID: 39207-004 Sample ID: Log V Inlet Matrix: Liquid Sample Date: 6/3/2004 6:03 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	6/6/2004	DW4758C	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery (%)	Control Limits (%)	Analyzed by: JZaininger - 6/6/2004
o-Terphenyl	93.0	16 - 137	Reviewed by: GGUEORGUEVA - 06/08/04

Laboratory ID: 39207-005 Sample ID: Discharge Point Matrix: Liquid Sample Date: 6/3/2004 6:08 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	62	62	µg/L	6/6/2004	DW4758C	EPA 8015 MOD. (Extractable)
Reporting limits increased due to limited sample volume.									

Surrogate	Surrogate Recovery (%)	Control Limits (%)	Analyzed by: JZaininger - 6/6/2004
o-Terphenyl	88.0	16 - 137	Reviewed by: GGUEORGUEVA - 06/08/04

ND = Not Detected at or above the PQL  
PQL = Practical Quantitation Limit (No Dilution)

DF = Dilution Factor  
PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

# Entech Analytical Labs, Inc.

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23490 Connecticut Street  
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Attn: Jason Gulbransen

Date: 6/15/2004  
Date Received: 6/4/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-001 Sample ID: EW-2 Matrix: Liquid Sample Date: 6/3/2004 6:15 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Lead	0.020		1	0.015	0.015	mg/L	6/11/2004	WM8732	EPA 200.7

Analyzed by: Mfelix - 6/11/2004

Data entry by: MFELIX - 06/14/04

Reviewed by: DBA - 06/14/04

Laboratory ID: 39207-002 Sample ID: EW-3 Matrix: Liquid Sample Date: 6/3/2004 6:20 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Lead	ND		1	0.015	0.015	mg/L	6/11/2004	WM8732	EPA 200.7

Analyzed by: Mfelix - 6/11/2004

Data entry by: MFELIX - 06/14/04

Reviewed by: DBA - 06/14/04

Laboratory ID: 39207-003 Sample ID: Combined Inlet Matrix: Liquid Sample Date: 6/3/2004 6:00 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Lead	ND		1	0.015	0.015	mg/L	6/11/2004	WM8732	EPA 200.7

Analyzed by: Mfelix - 6/11/2004

Data entry by: MFELIX - 06/14/04

Reviewed by: DBA - 06/14/04

Laboratory ID: 39207-004 Sample ID: Log V Inlet Matrix: Liquid Sample Date: 6/3/2004 6:03 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Lead	ND		1	0.015	0.015	mg/L	6/11/2004	WM8732	EPA 200.7

Analyzed by: Mfelix - 6/11/2004

Data entry by: MFELIX - 06/14/04

Reviewed by: DBA - 06/14/04

ND = Not Detected at or above the PQL

PQL = Practical Quantitation Limit (No Dilution)

DF = Dilution Factor

PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

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Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Laboratory ID: 39207-005 Sample ID: Discharge Point Matrix: Liquid Sample Date: 6/3/2004 6:08 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Lead	0.018		1	0.015	0.015	mg/L	6/11/2004	WM8732	EPA 200.7

Analyzed by: Mfelix - 6/11/2004

Data entry by: MFELIX - 06/14/04

Reviewed by: DBA - 06/14/04

# Entech Analytical Labs, Inc.

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## STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value only. Either the compound is tentatively identified or the result is below the PQL but above the MDL. Reported with one significant figure.
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation
L	Possible laboratory contamination from MeCl <sub>2</sub> but no evidence of contamination in Method Blank associated with reported QC Batch.

# Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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## Quality Control - Method Blank

QC Batch ID: WMS110727

Prep Batch ID:

Entered by: XBIAN - 06/11/04

Matrix: Liquid

Prep Date:

Validated by: TFULTON - 06/11/04

Date of Analysis: 6/10/2004

### Method: EPA 8260B

Parameter	Result	DF	PQL	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.5	0.5	µg/L
1,2-Dichloroethane	ND	1	0.5	0.5	µg/L
Benzene	ND	1	0.5	0.5	µg/L
Diisopropyl Ether	ND	1	5	5	µg/L
Ethanol	ND	1	100	100	µg/L
Ethyl Benzene	ND	1	0.5	0.5	µg/L
Ethyl-t-butyl Ether	ND	1	5	5	µg/L
Methyl-t-butyl Ether	ND	1	1	1	µg/L
tert-Amyl Methyl Ether	ND	1	5	5	µg/L
tert-Butanol (TBA)	ND	1	10	10	µg/L
Toluene	ND	1	0.5	0.5	µg/L
Xylenes, Total	ND	1	1	1	µg/L

#### Surrogate

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8

#### Surrogate Recovery

95.1

83.4

114.0

#### Control Limits (%)

64 - 125

23 - 172

70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Method Blank

QC Batch ID: WMS110727

Prep Batch ID:

Entered by: XBIAN - 06/11/04

Matrix: Liquid

Prep Date:

Validated by: TFULTON - 06/11/04

Date of Analysis: 6/10/2004

### Method: GC-MS

#### Parameter

TPH as Gasoline

Result	DF	PQL	PQLR	Units
ND	1	25	25	µg/L

#### Surrogate

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8

#### Surrogate Recovery

91.5

87.1

105.0

#### Control Limits (%)

64 - 125

23 - 172

70 - 134



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID:

Data entry by: XBIAN - 06/11/04

QC Batch ID: WMS110727

Prep Date:

Reviewed by: TFULTON - 06/11/04

Date of Analysis: 6/10/2004

Matrix: Liquid

### Method EPA 8260B

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	ND	20.0	19.2	LCS	6/10/2004	96.0			60 - 132
Benzene	ND	20.0	21.5	LCS	6/10/2004	107.5			77 - 154
Chlorobenzene	ND	20.0	20.5	LCS	6/10/2004	102.5			66 - 141
Methyl-t-butyl Ether	ND	20.0	14.5	LCS	6/10/2004	72.5			58 - 127
Toluene	ND	20.0	21.5	LCS	6/10/2004	107.5			47 - 137
Trichloroethene	ND	20.0	20.2	LCS	6/10/2004	101.0			57 - 159

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

104.0

64 - 125

Dibromofluoromethane

85.4

23 - 172

Toluene-d8

105.0

70 - 134

1,1-Dichloroethene	ND	20.0	19.1	LCSD	6/10/2004	95.5	0.5	25	60 - 132
Benzene	ND	20.0	21.5	LCSD	6/10/2004	107.5	0.0	25	77 - 154
Chlorobenzene	ND	20.0	20.5	LCSD	6/10/2004	102.5	0.0	25	66 - 141
Methyl-t-butyl Ether	ND	20.0	15.6	LCSD	6/10/2004	78.0	7.3	25	58 - 127
Toluene	ND	20.0	21.	LCSD	6/10/2004	105.0	2.4	25	47 - 137
Trichloroethene	ND	20.0	20.1	LCSD	6/10/2004	100.5	0.5	25	57 - 159

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

111.0

64 - 125

Dibromofluoromethane

86.6

23 - 172

Toluene-d8

105.0

70 - 134

### Method GC-MS

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	125.0	143.8	LCS	6/10/2004	115.0			65 - 135

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

104.0

64 - 125

Dibromofluoromethane

81.5

23 - 172

Toluene-d8

105.0

70 - 134

TPH as Gasoline	ND	250.0	126.7	LCSD	6/10/2004	101.4	12.6	25	65 - 135
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#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

93.4

64 - 125

Dibromofluoromethane

80.7

23 - 172

Toluene-d8

109.0

70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Matrix Spike / Duplicate Results

Prep Batch ID:

Data entry by: XBIAN - 06/14/04

QC Batch ID: WMS110727

Date of Analysis: 6/10/2004

Prep Date:

Matrix: Liquid

Method EPA 8260B							Conc. Units: µg/L		
Parameter	Sample Number	Sample Result	Spike Amount	Spike Result	QC Type	Analysis Date	% Recovery	RPD	Recovery Limits
MS	39234-002								
Benzene		ND	20.0	19.4433	MS	6/10/2004	97.2		73 - 134
Methyl-t-butyl Ether		ND	20.0	15.0368	MS	6/10/2004	75.2		42 - 157
Toluene		ND	20.0	19.7721	MS	6/10/2004	98.9		79 - 117
Surrogate		Surrogate Recovery		Control Limits (%)					
4-Bromofluorobenzene		101.7		64 - 125					
Dibromofluoromethane		87.6		23 - 172					
Toluene-d8		107.8		70 - 134					
MSD	39234-002								
Benzene		ND	20.0	19.5274	MSD	6/10/2004	97.6	0.4	25 73 - 134
Methyl-t-butyl Ether		ND	20.0	15.1051	MSD	6/10/2004	75.5	0.5	25 42 - 157
Toluene		ND	20.0	20.1487	MSD	6/10/2004	100.7	1.9	25 79 - 117
Surrogate		Surrogate Recovery		Control Limits (%)					
4-Bromofluorobenzene		104.8		64 - 125					
Dibromofluoromethane		89.1		23 - 172					
Toluene-d8		107.0		70 - 134					

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Method Blank

QC Batch ID: WMS110729

Prep Batch ID:

Entered by: XBIAN - 06/14/04

Matrix: Liquid

Prep Date:

Validated by: TFULTON - 06/14/04

Date of Analysis: 6/11/2004

### Method: EPA 8260B

Parameter	Result	DF	PQL	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.5	0.5	µg/L
1,2-Dichloroethane	ND	1	0.5	0.5	µg/L
Benzene	ND	1	0.5	0.5	µg/L
Diisopropyl Ether	ND	1	5	5	µg/L
Ethanol	ND	1	100	100	µg/L
Ethyl Benzene	ND	1	0.5	0.5	µg/L
Ethyl-t-butyl Ether	ND	1	5	5	µg/L
Methyl-t-butyl Ether	ND	1	1	1	µg/L
tert-Amyl Methyl Ether	ND	1	5	5	µg/L
tert-Butanol (TBA)	ND	1	10	10	µg/L
Toluene	ND	1	0.5	0.5	µg/L
Xylenes, Total	ND	1	1	1	µg/L

#### Surrogate

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8

#### Surrogate Recovery

102.0

95.1

112.0

#### Control Limits (%)

64 - 125

23 - 172

70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Method Blank

QC Batch ID: WMS110729

Prep Batch ID:

Entered by: XBIAN - 06/14/04

Matrix: Liquid

Prep Date:

Validated by: TFULTON - 06/14/04

Date of Analysis: 6/11/2004

### Method: GC-MS

#### Parameter

TPH as Gasoline

Result

ND

DF

1

PQL

25

PQLR

25

Units

µg/L

#### Surrogate

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8

#### Surrogate Recovery

98.3

99.3

103.0

#### Control Limits (%)

64 - 125

23 - 172

70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID:

Data entry by: XBIAN - 06/14/04

QC Batch ID: WMS110729

Prep Date:

Reviewed by: TFULTON - 06/14/04

Date of Analysis: 6/11/2004

Matrix: Liquid

### Method EPA 8260B

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	ND	20.0	17.8	LCS	6/11/2004	89.0			60 - 132
Benzene	ND	20.0	21.7	LCS	6/11/2004	108.5			77 - 154
Chlorobenzene	ND	20.0	20.2	LCS	6/11/2004	101.0			66 - 141
Methyl-t-butyl Ether	ND	20.0	16.8	LCS	6/11/2004	84.0			58 - 127
Toluene	ND	20.0	21.6	LCS	6/11/2004	108.0			47 - 137
Trichloroethene	ND	20.0	19.9	LCS	6/11/2004	99.5			57 - 159

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

102.0

64 - 125

Dibromofluoromethane

86.3

23 - 172

Toluene-d8

107.0

70 - 134

1,1-Dichloroethene	ND	20.0	16.8	LCSD	6/11/2004	84.0	5.8	25	60 - 132
Benzene	ND	20.0	20.1	LCSD	6/11/2004	100.5	7.7	25	77 - 154
Chlorobenzene	ND	20.0	19.	LCSD	6/11/2004	95.0	6.1	25	66 - 141
Methyl-t-butyl Ether	ND	20.0	16.4	LCSD	6/11/2004	82.0	2.4	25	58 - 127
Toluene	ND	20.0	19.7	LCSD	6/11/2004	98.5	9.2	25	47 - 137
Trichloroethene	ND	20.0	18.6	LCSD	6/11/2004	93.0	6.8	25	57 - 159

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

104.0

64 - 125

Dibromofluoromethane

88.3

23 - 172

Toluene-d8

107.0

70 - 134

### Method GC-MS

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	125.0	140.9	LCS	6/11/2004	112.7			65 - 135

#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

101.0

64 - 125

Dibromofluoromethane

92.1

23 - 172

Toluene-d8

106.0

70 - 134

TPH as Gasoline	ND	250.0	135.2	LCSD	6/11/2004	108.2	4.1	25	65 - 135
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#### Surrogate

#### Surrogate Recovery

#### Control Limits (%)

4-Bromofluorobenzene

98.7

64 - 125

Dibromofluoromethane

89.9

23 - 172

Toluene-d8

107.0

70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Matrix Spike / Duplicate Results

Prep Batch ID:

QC Batch ID: WMS110729

Prep Date:

Data entry by: XBIAN - 06/14/04

Date of Analysis: 6/11/2004

Reviewed by: TFULTON - 06/14/04

Matrix: Liquid

Method EPA 8260B								Conc. Units: µg/L	
Parameter	Sample Number	Sample Result	Spike Amount	Spike Result	QC Type	Analysis Date	% Recovery	RPD	Recovery Limits
MS	39236-001								
Benzene		ND	20.0	20.1445	MS	6/11/2004	100.7		73 - 134
Methyl-t-butyl Ether		ND	20.0	13.7198	MS	6/11/2004	68.6		42 - 157
Toluene		ND	20.0	20.5962	MS	6/11/2004	103.0		79 - 117
Surrogate		Surrogate Recovery		Control Limits (%)					
4-Bromofluorobenzene		102.4		64 - 125					
Dibromofluoromethane		88.1		23 - 172					
Toluene-d8		110.9		70 - 134					
MSD	39236-001								
Benzene		ND	20.0	20.551	MSD	6/11/2004	102.8	2.0	25 73 - 134
Methyl-t-butyl Ether		ND	20.0	14.3648	MSD	6/11/2004	71.8	4.6	25 42 - 157
Toluene		ND	20.0	21.9349	MSD	6/11/2004	109.7	6.3	25 79 - 117
Surrogate		Surrogate Recovery		Control Limits (%)					
4-Bromofluorobenzene		99.4		64 - 125					
Dibromofluoromethane		88.9		23 - 172					
Toluene-d8		113.0		70 - 134					

# Entech Analytical Labs, Inc.

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3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

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## Quality Control - Method Blank

**Prep Batch ID:** WM8732

**Prep Date:** 6/9/2004

Entered by: MFELIX - 06/14/04

Validated by: DBA - 06/14/04

**QC Batch ID:** WM8732

**Matrix:** Liquid

**Date of Analysis:** 6/10/2004

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**Method:** EPA 200.7

**Parameter**

Lead

**Result**

ND

**DF**

1

**PQL**

0.015

**PQLR**

0.015

**Units**

mg/L

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: WM8732

Data entry by: MFELIX - 06/14/04

QC Batch ID: WM8732

Date of Analysis: 6/10/2004

Prep Date: 6/9/2004

Reviewed by: DBA - 06/14/04

Matrix: Liquid

### Method EPA 200.7

Conc. Units: mg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Lead	ND	0.5	0.54	LCS	6/10/2004	108.0			90 - 126
Lead	ND	0.5	0.5465	LCSD	6/10/2004	109.3	1.2	25	90 - 126



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Method Blank

Prep Batch ID: DW4758C

Prep Date: 6/4/2004

Entered by: JZAININGER - 06/07/04  
Validated by: GGUEORGUEVA - 06/08/04

QC Batch ID: DW4758C

Matrix: Liquid

Date of Analysis: 6/6/2004

### Method: EPA 8015 MOD. (Extractable)

Parameter	Result	DF	PQL	PQLR	Units
TPH as Diesel	ND	1	50	50	µg/L
TPH as Jet Fuel	ND	1	50	50	µg/L
TPH as Kerosene	ND	1	50	50	µg/L
TPH as Mineral Spirits (Stoddard)	ND	1	50	50	µg/L
TPH as Motor Oil	ND	1	250	250	µg/L
TPH Other	ND	1	50	50	µg/L

Surrogate  
o-Terphenyl

Surrogate Recovery  
93.0

Control Limits (%)  
16 - 137

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: DW4758C

QC Batch ID: DW4758C

Prep Date: 6/4/2004

Data entry by: JZAININGER - 06/07/04

Date of Analysis: 6/6/2004

Reviewed by: GGUEORGUIEVA - 06/08/04

Matrix: Liquid

### Method EPA 8015 MOD. (Extractable)

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	ND	1000.0	800.	LCS	6/6/2004	80.0			38 - 135
TPH as Motor Oil	ND	500.0	406.	LCS	6/6/2004	81.2			38 - 135
Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 16 - 137					
TPH as Diesel	ND	1000.0	830.	LCSD	6/6/2004	83.0	3.7	25	38 - 135
TPH as Motor Oil	ND	500.0	440.	LCSD	6/6/2004	88.0	8.0	25	38 - 135
Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 16 - 137					



CHAIN OF CUSTODY REPORT

TO: ENTECH

JOB NUMBER AND NAME:

4470 JEFFERSON CARWASH 3080 JEFFERSON ST NEPA, CA

ANALYSIS REQUESTED

TURNAROUND TIME:

10 DAY

REPORT AND BILL TO:  
DECON Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545  
(510) 732-6444

SAMPLER: J. Gulbransen

DATE: 6-3-04

SAMPLE ID# / STATION	SAMPLE DESCRIPTION	CONTAINERS NUMBER	TYPE	SAMPLING TIME / DATE
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EW-2	Water 39207-001	5	G	1446/6/3
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EW-3	Combined Inlet	5	G	1446/6/3
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Log V Inlet	004	5	G	1443/6/3
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DISCHARGE POINT	005	5	G	1448/6/3
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DATE:

TIME:

RECEIVED BY:

Laboratory Use Only:  
Were samples:  
Preserved/on ice?  
In good condition?  
labeled?

DATE:

TIME:

RECEIVED BY:

Yes

No

DATE:

TIME:

RECEIVED IN LAB BY:

DATE:

TIME:

RECEIVED IN LAB BY:

labeled?

G - Grab C - Composite W - Wipe

REMARKS

93160  
432610

PLEASE email RESULTS  
TO jgulbransen@deconenvco.com

HTugane@Pirnie.com